ABSTRACT

The present invention relates to a process to create the tactile surface feel of real textile or fabric using silicone via laser texturing. Real fabric / textile sources with different patterns are referenced and studied in depth in order to create the tactile surface feel of real textile or fabric using silicone substrate via laser texturing. Silicone textured with fabric / textile pattern has the advantage of being able to re-use many times even when it is in contact with water. It is durable and is fast drying as compared to traditional fabric / textile. Moreover, using medical-grade silicone to create the fabric / textile feel via laser texturing is also safe to the skin and hence is a good replacement for traditional fabric / textile for med-tech and many different product applications. Besides silicone, the process can also be applied using equivalent elastomeric polymer.

Use **Figure 1.**